

CHEMINAX

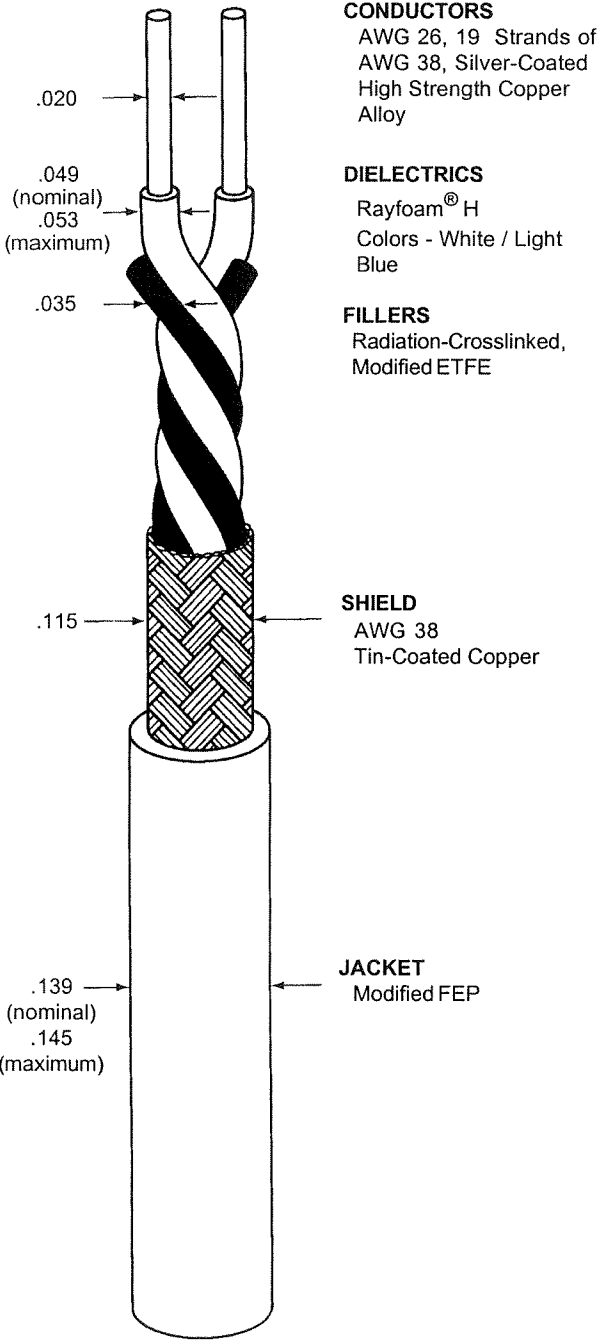
120 OHM, AWG 26, RADIO FREQUENCY, 19 STRANDS OF AWG 38,  
TWIN CONDUCTOR CABLE

Date: 4-26-00  
Revision: L

THIS SPECIFICATION SHEET FORMS A PART OF THE LATEST ISSUE OF RAYCHEM SPECIFICATION 1200.

CONSTRUCTION DETAILS

DIMENSIONS ARE NOMINAL VALUES IN INCHES UNLESS OTHERWISE DESIGNATED.



**CONDUCTORS**  
AWG 26, 19 Strands of  
AWG 38, Silver-Coated  
High Strength Copper  
Alloy

**DIELECTRICS**  
Rayfoam® H  
Colors - White / Light  
Blue

**FILLERS**  
Radiation-Crosslinked,  
Modified ETFE

**SHIELD**  
AWG 38  
Tin-Coated Copper

**JACKET**  
Modified FEP

ELECTRICAL CHARACTERISTICS

CHARACTERISTIC IMPEDANCE	120 ± 10 ohms, Method C at 1 MHz
CAPACITANCE - MUTUAL	12.5 pF/ft. (nominal)
VELOCITY OF PROPAGATION	77% (nominal)

ADDITIONAL REQUIREMENTS

ELECTRICAL

CONDUCTOR RESISTANCE	42.0ohms/1000ft. (nominal)
INSULATION RESISTANCE	10,000megohms (minimum) for 1000ft.
JACKET FLAWS	
SPARK TEST	1.0kV (rms)
IMPULSE TEST	6.0kV (peak)
VOLTAGE WITHSTAND (DIELECTRIC)	1000volts (rms) (minimum)

ENVIRONMENTAL

FLAMMABILITY	Method B
HEAT SHOCK	225°C
LOW TEMPERATURE- COLD BEND	-55°C/3.75 inch mandrel
VOLTAGE WITHSTAND (POST ENVIRONMENTAL)	1000volts (rms), 1 minute

PHYSICAL

INSULATION (DIELECTRIC) (Prior to Cabling)	
ELONGATION	50% (minimum)
TENSILE STRENGTH	600lbf/in² (minimum)
JACKET	
ELONGATION	200% (minimum)
TENSILE STRENGTH	2000lbf/in² (minimum)
JACKET THICKNESS	.012inch (nominal)
SHIELD BRAID ANGLE	18° (minimum), 40° (maximum)
SHIELD COVERAGE	90% (minimum)

WEIGHT	16.0lbs/1000ft. (nominal)
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Outer jacket will be Transparent white (designated by a "-9X" appended to the part number, e.g., 2026D0024-9X) unless otherwise specified.  
Designate outer jacket color with a dash number in accordance with MIL-STD-681.

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